RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/583,061
Source: IFWP
Date Processed by STIC: 6/30/06

ENTERED

CRF Errors Edited by the STIC Systems Branch

Serial Number: 10/583,061 **CRF Edit Date:** 6/30/06
Edited by: TCE

✓ **Realigned nucleic acid/amino acid numbers/text in cases where the sequence text "wrapped" to the next line**

____ **Corrected the SEQ ID NO. Sequence numbers edited were:**

_____

____ **Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:**

_____

____ **Deleted: ___ invalid beginning/end-of-file text ; ___ page numbers**

____ **Inserted mandatory headings/numeric identifiers, specifically:**

_____

____ **Moved responses to same line as heading/numeric identifier, specifically:**

_____

/ **Other:**

_____

_____

_____

Revised 09/09/2003

IFWP

RAW SEQUENCE LISTING DATE: 06/30/2006
PATENT APPLICATION: **US/10/583,061** TIME: 14:24:17

Input Set : **A:\pto.kd.txt**
Output Set: **N:\CRF4\06302006\J583061.raw**

```
 4 <110> APPLICANT: Kerri MOWEN
 5       Laurie H. GLIMCHER
 7 <120> TITLE OF INVENTION: MODULATION OF IMMUNE SYSTEM FUNCTION BY
 8       MODULATION OF POLYPEPTIDE ARGININE METHYLTRANSFERASES
11 <130> FILE REFERENCE: HUI-054US
C--> 13 <140> CURRENT APPLICATION NUMBER: US/10/583,061
C--> 13 <141> CURRENT FILING DATE: 2006-06-15
13 <150> PRIOR APPLICATION NUMBER: PCT/US2004/044095
14 <151> PRIOR FILING DATE: 2004-12-20
16 <150> PRIOR APPLICATION NUMBER: 60/531,482
17 <151> PRIOR FILING DATE: 2003-12-18
19 <160> NUMBER OF SEQ ID NOS: 24
21 <170> SOFTWARE: FastSEQ for Windows Version 4.0
23 <210> SEQ ID NO: 1
24 <211> LENGTH: 1946
25 <212> TYPE: DNA
26 <213> ORGANISM: Mus musculus
28 <400> SEQUENCE: 1
29 acagtgtggg agatggcgga accactgagg ggacgtggtc cgaggtcccg cggtggccga 60
30 ggcgctcgga gagcccgagg cgcccgtggc cggtgtcctc gcgcccggca gtctccggct 120
31 aggctcattc cagacaccgt gcttgtggac ttggtcagtg acagcgacga agaggtcttg 180
32 gaagtcgcag acccagtaga ggtgccggtc gcccgcctcc ccgcgccggc taaacctgag 240
33 caggacagcg acagtgacag tgaaggggcg gccgaggggc ctgcgggagc cccgcgtaca 300
34 ttggtgcgac ggcggcggcg gcggctgctg gatcccggag aggcgccggt ggtcccagtg 360
35 tactccggga aggtacagag cagcctcaac ctcattccag ataattcatc cctcttgaaa 420
36 ctgtgccctt cagagcctga agatgaggca gatctgacaa attctggcag ttctccctct 480
37 gaggatgatg ccctgccttc aggttctccc tggagaaaga agctcagaaa gaagtgtgag 540
38 aaagaagaaa agaaaatgga agagtttccg gaccaggaca tctctccttt gccccaacct 600
39 tcgtcaagga acaaaagcag aaagcatacg gaggcgctcc agaagctaag ggaagtgaac 660
40 aagcgtctcc aagatctccg ctcctgcctg agccccaagc agcaccagag tccagccctt 720
41 cagagcacag atgatgaggt ggtcctagtg gaagggcctg tcttgccaca gagctctcga 780
42 ctctttacac tcaagatccg gtgccgggct gacctagtga gactgcctgt caggatgtcg 840
43 gagccccttc agaatgtggt ggatcacatg gccaatcatc ttggggtgtc tccaaacagg 900
44 attcttttgc tttttggaga gagtgaactg tctcctactg ccacccctag taccctaaag 960
45 cttggagtgg ctgacatcat tgattgtgtg gtgctagcaa gctcttcaga ggccacagag 1020
46 acatcccagg agctccggct ccgggtgcag gggaaggaga aacaccagat gttggagatc 1080
47 tcactgtctc ctgattctcc tcttaaggtt ctcatgtcac actatgagga agccatggga 1140
48 ctctctggac acaagctctc cttcttcttt gatgggacaa agctttcagg caaggagctg 1200
49 ccagctgatc tgggcctgga atccggagat ctcatcgaag tctggggctg aagctctcac 1260
50 cctgttcgga cgcaaagcca agacatggag acaatagctc ccaattttat tattgtgatt 1320
51 tttcgcccca taagggctaa cagaaactga attagaactt gtttacttat ttatttctgg 1380
52 tgctggggat tgaaccccag actatgcaca tgctaaggat gtatgaagtg gaggcaaaac 1440
53 caaggcatta cctttagcca gcctctagta gactgtagtg tcaagcaagt ggctacttgg 1500
```

RAW SEQUENCE LISTING DATE: 06/30/2006
PATENT APPLICATION: **US/10/583,061** TIME: 14:24:17

Input Set : **A:\pto.kd.txt**
Output Set: **N:\CRF4\06302006\J583061.raw**

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 54 tagttgtgtg gctctgtgta tgtttgtgct gtatttggca gcccctgggg cacatagaag 1560
 55 ggaccttggc ttccctacca tttcacgttc gctggtgccc tttccttcat cagatgactt 1620
 56 ctgtgaagct gcctatgttg agtgtgttga actaaatgag ctctgctttg ggtgtccagg 1680
 57 cctggggttt gtgccgcagt tggagccagc agtgacttca ctctgacttg ggactgagaa 1740
 58 tgcatttcct ggtggagaca ctcgggtgca gaaatataac agaaggtgac atacatgctg 1800
 59 aagctgagga ctaggtcgaa agttaacgac gttgcatttt cagccttggg tatcctctct 1860
 60 gcctgccagg actctagcca gtgtctggta cacacttctt ggcatggaca cctaggtcga 1920
 61 cgcgggcgcg attcggccga ctcgag                                      1946
 66 <210> SEQ ID NO: 2
 67 <211> LENGTH: 412
 68 <212> TYPE: PRT
 69 <213> ORGANISM: Mus musculus
 71 <400> SEQUENCE: 2
 72 Met Ala Glu Pro Leu Arg Gly Arg Gly Pro Arg Ser Arg Gly Gly Arg
 73  1               5                  10                  15
 74 Gly Ala Arg Arg Ala Arg Gly Ala Arg Gly Arg Cys Pro Arg Ala Arg
 75             20                  25                  30
 76 Gln Ser Pro Ala Arg Leu Ile Pro Asp Thr Val Leu Val Asp Leu Val
 77         35                  40                  45
 78 Ser Asp Ser Asp Glu Glu Val Leu Glu Val Ala Asp Pro Val Glu Val
 79     50                  55                  60
 80 Pro Val Ala Arg Leu Pro Ala Pro Ala Lys Pro Glu Gln Asp Ser Asp
 81 65                  70                  75                  80
 82 Ser Asp Ser Glu Gly Ala Ala Glu Gly Pro Ala Gly Ala Pro Arg Thr
 83                 85                  90                  95
 84 Leu Val Arg Arg Arg Arg Arg Arg Leu Leu Asp Pro Gly Glu Ala Pro
 85             100                 105                 110
 86 Val Val Pro Val Tyr Ser Gly Lys Val Gln Ser Ser Leu Asn Leu Ile
 87         115                 120                 125
 88 Pro Asp Asn Ser Ser Leu Leu Lys Leu Cys Pro Ser Glu Pro Glu Asp
 89     130                 135                 140
 90 Glu Ala Asp Leu Thr Asn Ser Gly Ser Ser Pro Ser Glu Asp Asp Ala
 91 145                 150                 155                 160
 92 Leu Pro Ser Gly Ser Pro Trp Arg Lys Lys Leu Arg Lys Lys Cys Glu
 93                 165                 170                 175
 94 Lys Glu Glu Lys Lys Met Glu Glu Phe Pro Asp Gln Asp Ile Ser Pro
 95             180                 185                 190
 96 Leu Pro Gln Pro Ser Ser Arg Asn Lys Ser Arg Lys His Thr Glu Ala
 97         195                 200                 205
 98 Leu Gln Lys Leu Arg Glu Val Asn Lys Arg Leu Gln Asp Leu Arg Ser
 99     210                 215                 220
100 Cys Leu Ser Pro Lys Gln His Gln Ser Pro Ala Leu Gln Ser Thr Asp
101 225                 230                 235                 240
102 Asp Glu Val Val Leu Val Glu Gly Pro Val Leu Pro Gln Ser Ser Arg
103                 245                 250                 255
104 Leu Phe Thr Leu Lys Ile Arg Cys Arg Ala Asp Leu Val Arg Leu Pro
105             260                 265                 270
106 Val Arg Met Ser Glu Pro Leu Gln Asn Val Val Asp His Met Ala Asn
107         275                 280                 285
```

RAW SEQUENCE LISTING DATE: 06/30/2006
PATENT APPLICATION: **US/10/583,061** TIME: 14:24:17

Input Set : **A:\pto.kd.txt**
Output Set: **N:\CRF4\06302006\J583061.raw**

```
108 His Leu Gly Val Ser Pro Asn Arg Ile Leu Leu Leu Phe Gly Glu Ser
109     290                 295                 300
110 Glu Leu Ser Pro Thr Ala Thr Pro Ser Thr Leu Lys Leu Gly Val Ala
111 305                 310                 315                 320
112 Asp Ile Ile Asp Cys Val Val Leu Ala Ser Ser Ser Glu Ala Thr Glu
113                 325                 330                 335
114 Thr Ser Gln Glu Leu Arg Leu Arg Val Gln Gly Lys Glu Lys His Gln
115             340                 345                 350
116 Met Leu Glu Ile Ser Leu Ser Pro Asp Ser Pro Leu Lys Val Leu Met
117         355                 360                 365
118 Ser His Tyr Glu Glu Ala Met Gly Leu Ser Gly His Lys Leu Ser Phe
119     370                 375                 380
120 Phe Phe Asp Gly Thr Lys Leu Ser Gly Lys Glu Leu Pro Ala Asp Leu
121 385                 390                 395                 400
122 Gly Leu Glu Ser Gly Asp Leu Ile Glu Val Trp Gly
123                 405                 410
127 <210> SEQ ID NO: 3
128 <211> LENGTH: 3469
129 <212> TYPE: DNA
130 <213> ORGANISM: Mus musculus
132 <400> SEQUENCE: 3
133 atgccaaata ccagctttcc agtcccttcc aagtttccac tcggccctcc ggccgcagtc 60
134 tgcgggagcg gagaaacttt gcggcccgcg ccgccctccg gcggcaccat gaaggcggcc 120
135 gaggaagaac actacagtta tgtgtcccct agtgtcacct cgaccctgcc ccttcccaca 180
136 gcacactctg ccttgccagc agcatgccac gacctccaga cgtccacccc gggtatctca 240
137 gctgttcctt cagccaatca tccccccagt tacggagggg ctgtggacag cgggccttcg 300
138 ggatacttcc tgtcctctgg caacaccaga cccaacgggg ccccgactct ggagagtccg 360
139 agaatcgaga tcacctccta cctgggccta caccatggca gcggccagtt tttccacgac 420
140 gtggaggtgg aagacgtact tcctagctgc aagcgctcac cgtctacagc aaccctgcac 480
141 ctgcccagcc tggaagccta cagagacccc tcctgcctga gcccagccag cagtctctcc 540
142 tccagaagct gtaactctga ggcctcctcc tacgagtcca actactccta cccatacgcg 600
143 tccccccaga cctctccgtg gcagtcaccc tgcgtgtctc ccaagaccac ggacccggag 660
144 gagggttttc cccgaagcct gggtgcctgc cacctgctag gatcgcccag gcactcccca 720
145 tccacctctc ctcgggcaag catcacggag gagagctggc tcggtgcccg cggctcccgg 780
146 cccacgtccc cctgcaacaa gcgcaagtac agtctcaatg gccggcagcc ctcctgctca 840
147 ccccaccact cacccacacc atccccccat ggctcccctc gggtcagtgt gaccgaagat 900
148 acctggctcg gtaacaccac ccagtatacc agctctgcca ttgtggcagc catcaacgcc 960
149 ctgaccaccg atagcactct ggacctgggt gatggggtcc ctatcaagtc tcgaaagaca 1020
150 gcactggagc atgcgccctc tgtggccctc aaagtagagc cagctgggga agacctgggc 1080
151 accactccac ccacttctga cttcccaccc gaggagtaca ccttccagca ccttcggaag 1140
152 ggtgcctttt gcgagcagta tctgtcggtg ccacaggcct cgtatcagtg ggcgaagccc 1200
153 aagtctcttt ccccgacatc atatatgagc ccatccttgc ctgcccttga ctggcagctc 1260
154 ccgtcacatt ctggtccata cgagcttcgg atcgaggtgc agcccaagtc tcaccacagg 1320
155 gctcactatg agacggaagg cagccggggg gctgtgaagg cttcagctgg aggacacccc 1380
156 attgtgcagc tacacggtta cttggagaat gaacctctca cgctacagct gttcattggg 1440
157 acggctgacg accgcctgct gaggccccac gccttctacc aggtccaccg gatcacgggg 1500
158 aagactgtct ccaccaccag ccacgagatc atcctgtcca acaccaaagt cctggagatc 1560
159 ccgttgcttc cagaaaataa catgcgagcc atcatcgact gtgctgggat cctgaagctc 1620
160 agaaactctg atattgagct gaggaaaggg gagacagaca tcgggaggaa gaacaccagg 1680
```

RAW SEQUENCE LISTING DATE: 06/30/2006
PATENT APPLICATION: **US/10/583,061** TIME: 14:24:17

Input Set : **A:\pto.kd.txt**
Output Set: **N:\CRF4\06302006\J583061.raw**

```
161 gtgaggctgg tcttccgagt tcacatccca cagcccaatg gccggacgct gtctctccag 1740
162 gtggcctcga accctatcga gtgttcccag cggtcagccc aggagctgcc cctcgtggag 1800
163 aagcagagca cagacagcta cccagtcatc ggcgggaaga agatggtgct gtctggccat 1860
164 aactttctgc aagactccaa agtcattttc gtggagaagg ctccagatgg ccaccacgtc 1920
165 tgggagatgg aagcaaagac tgaccgggac ctgtgcaagc caaattccct ggtggttgag 1980
166 ataccacctt tccgcaacca gaggataacc agccccgccc aagtcagttt ctatgtctgc 2040
167 aacgggaaac ggaagagaag ccagtaccag cgtttcacgt accttcctgc caatggtaac 2100
168 tctgtctttc taaccttaag ctctgagagt gagctgagag gaggttttta ctgagcagcc 2160
169 ccccgaggct ataagaggat gttgttgtaa acaaaacaaa acaaaacaaa acatacctgt 2220
170 agcctcttca caccacgtga tagccctatt cacaagacca agtcgcccac cccctcaaag 2280
171 aaaagcgaag cctgggtgtg ttttcctgtg actggtgcat gctggggtca tcacttgctc 2340
172 gccttttgca aatacagcag cgcggccaac caagcagctc tgctgcgctc aggggctgat 2400
173 gcggtctggg ggtgtatatc taacctctgt gagtctttgg gttagaagaa agtatttgtc 2460
174 aacgcagttt tgtaagtagc ttcgaaaata agcctgccgt ggtcactggg gaacatacat 2520
175 gatgttgtcc tcatggtgac gcttctacac agcgtgcggt gtgtctccac tgaataatgc 2580
176 tgtcccctgg tgacgtgaga ctttcagatg gaagctcttc tgctcgagtt tactcattta 2640
177 gggaatggct tctttcattc agaagtgatc ggctcgcctt ttcaactttc tagggtgttt 2700
178 tatttacgaa aataccgttt ttaactgctc cccgccccgc aagcttctag aaaggtgtgt 2760
179 cccaggcgtc cagggtttcc tgtgtggtgc aggccattct cctgcagcag gatgtataaa 2820
180 cagagagcag agtcggttgt tatcctgagt tctattgtat tttgagtaag ctaggctatg 2880
181 tcaacaacct ttttaaattg ctacttttt ttttcctcta aaaacttaag atagtcatgt 2940
182 aatttaagag ggaagttata caataaatac tagccatgaa agcagccata ttgctatctt 3000
183 agtaaaatca aggtggtttt gttgttgtta ttttgttttg ttttttgttt tttaaggttt 3060
184 caaggttttt tgtttttgaa gtgtaaaggc atttggaaca gtttagacag tacgaaaagt 3120
185 tggtattaaa attctgaaac caattgtctt atcaggaaac ccctagaaat gccctttaaa 3180
186 aatgaggaca atagctttgt tgcattctca aacaaggaca tcagtgaaag ggcagcaact 3240
187 gtctgtgctg tgggtgaccc cagaacagcg gcccatcccc catcccgtct ctgctcttca 3300
188 gattatttca caggcctctt cctttcggga aataatgcac actctctctt acaaaaaaac 3360
189 caaacatttg gtcttttatt ttattttatt ttatttttg aaagtgcaat gattgtgtcc 3420
190 tacctatact tcaagcatgg ttgatctaag atttttgaaa ggtctaaac             3469
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192 <210> SEQ ID NO: 4
193 <211> LENGTH: 717
194 <212> TYPE: PRT
195 <213> ORGANISM: Mus musculus
197 <400> SEQUENCE: 4

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198 Met Pro Asn Thr Ser Phe Pro Val Pro Ser Lys Phe Pro Leu Gly Pro
199  1               5                  10                  15
200 Pro Ala Ala Val Cys Gly Ser Gly Glu Thr Leu Arg Pro Ala Pro Pro
201             20                  25                  30
202 Ser Gly Gly Thr Met Lys Ala Ala Glu Glu Glu His Tyr Ser Tyr Val
203         35                  40                  45
204 Ser Pro Ser Val Thr Ser Thr Leu Pro Leu Pro Thr Ala His Ser Ala
205     50                  55                  60
206 Leu Pro Ala Ala Cys His Asp Leu Gln Thr Ser Thr Pro Gly Ile Ser
207 65                  70                  75                  80
208 Ala Val Pro Ser Ala Asn His Pro Pro Ser Tyr Gly Gly Ala Val Asp
209                 85                  90                  95
210 Ser Gly Pro Ser Gly Tyr Phe Leu Ser Ser Gly Asn Thr Arg Pro Asn
211             100                 105                 110
```

RAW SEQUENCE LISTING DATE: 06/30/2006
PATENT APPLICATION: **US/10/583,061** TIME: 14:24:17

Input Set : **A:\pto.kd.txt**
Output Set: **N:\CRF4\06302006\J583061.raw**

```
212 Gly Ala Pro Thr Leu Glu Ser Pro Arg Ile Glu Ile Thr Ser Tyr Leu
213         115                 120                 125
214 Gly Leu His His Gly Ser Gly Gln Phe Phe His Asp Val Glu Val Glu
215     130                 135                 140
216 Asp Val Leu Pro Ser Cys Lys Arg Ser Pro Ser Thr Ala Thr Leu His
217 145                 150                 155                 160
218 Leu Pro Ser Leu Glu Ala Tyr Arg Asp Pro Ser Cys Leu Ser Pro Ala
219                 165                 170                 175
220 Ser Ser Leu Ser Ser Arg Ser Cys Asn Ser Glu Ala Ser Ser Tyr Glu
221             180                 185                 190
222 Ser Asn Tyr Ser Tyr Pro Tyr Ala Ser Pro Gln Thr Ser Pro Trp Gln
223         195                 200                 205
224 Ser Pro Cys Val Ser Pro Lys Thr Thr Asp Pro Glu Glu Gly Phe Pro
225     210                 215                 220
226 Arg Ser Leu Gly Ala Cys His Leu Leu Gly Ser Pro Arg His Ser Pro
227 225                 230                 235                 240
228 Ser Thr Ser Pro Arg Ala Ser Ile Thr Glu Glu Ser Trp Leu Gly Ala
229                 245                 250                 255
230 Arg Gly Ser Arg Pro Thr Ser Pro Cys Asn Lys Arg Lys Tyr Ser Leu
231             260                 265                 270
232 Asn Gly Arg Gln Pro Ser Cys Ser Pro His His Ser Pro Thr Pro Ser
233         275                 280                 285
234 Pro His Gly Ser Pro Arg Val Ser Val Thr Glu Asp Thr Trp Leu Gly
235     290                 295                 300
236 Asn Thr Thr Gln Tyr Thr Ser Ser Ala Ile Val Ala Ala Ile Asn Ala
237 305                 310                 315                 320
238 Leu Thr Thr Asp Ser Thr Leu Asp Leu Gly Asp Gly Val Pro Ile Lys
239                 325                 330                 335
240 Ser Arg Lys Thr Ala Leu Glu His Ala Pro Ser Val Ala Leu Lys Val
241             340                 345                 350
242 Glu Pro Ala Gly Glu Asp Leu Gly Thr Thr Pro Pro Thr Ser Asp Phe
243         355                 360                 365
244 Pro Pro Glu Glu Tyr Thr Phe Gln His Leu Arg Lys Gly Ala Phe Cys
245     370                 375                 380
246 Glu Gln Tyr Leu Ser Val Pro Gln Ala Ser Tyr Gln Trp Ala Lys Pro
247 385                 390                 395                 400
249 Lys Ser Leu Ser Pro Thr Ser Tyr Met Ser Pro Ser Leu Pro Ala Leu
250                 405                 410                 415
251 Asp Trp Gln Leu Pro Ser His Ser Gly Pro Tyr Glu Leu Arg Ile Glu
252             420                 425                 430
254 Val Gln Pro Lys Ser His His Arg Ala His Tyr Glu Thr Glu Gly Ser
255         435                 440                 445
256 Arg Gly Ala Val Lys Ala Ser Ala Gly Gly His Pro Ile Val Gln Leu
257     450                 455                 460
258 His Gly Tyr Leu Glu Asn Glu Pro Leu Thr Leu Gln Leu Phe Ile Gly
259 465                 470                 475                 480
260 Thr Ala Asp Asp Arg Leu Leu Arg Pro His Ala Phe Tyr Gln Val His
261                 485                 490                 495
262 Arg Ile Thr Gly Lys Thr Val Ser Thr Thr Ser His Glu Ile Ile Leu
```

VERIFICATION SUMMARY DATE: 06/30/2006
PATENT APPLICATION: **US/10/583,061** TIME: 14:24:18

Input Set : **A:\pto.kd.txt**
Output Set: **N:\CRF4\06302006\J583061.raw**

L:13 M:270 C: Current Application Number differs, Replaced Current Application No
L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:810 M:283 W: Missing Blank Line separator, <400> field identifier
L:818 M:283 W: Missing Blank Line separator, <220> field identifier
L:820 M:283 W: Missing Blank Line separator, <400> field identifier
L:828 M:283 W: Missing Blank Line separator, <220> field identifier
L:830 M:283 W: Missing Blank Line separator, <400> field identifier
L:838 M:283 W: Missing Blank Line separator, <220> field identifier
L:840 M:283 W: Missing Blank Line separator, <400> field identifier
L:848 M:283 W: Missing Blank Line separator, <220> field identifier
L:850 M:283 W: Missing Blank Line separator, <400> field identifier
L:859 M:283 W: Missing Blank Line separator, <220> field identifier
L:861 M:283 W: Missing Blank Line separator, <400> field identifier
L:869 M:283 W: Missing Blank Line separator, <220> field identifier
L:871 M:283 W: Missing Blank Line separator, <400> field identifier
L:879 M:283 W: Missing Blank Line separator, <220> field identifier
L:881 M:283 W: Missing Blank Line separator, <400> field identifier
L:889 M:283 W: Missing Blank Line separator, <220> field identifier
L:891 M:283 W: Missing Blank Line separator, <400> field identifier
L:899 M:283 W: Missing Blank Line separator, <220> field identifier
L:901 M:283 W: Missing Blank Line separator, <400> field identifier
L:909 M:283 W: Missing Blank Line separator, <220> field identifier
L:911 M:283 W: Missing Blank Line separator, <400> field identifier
L:922 M:283 W: Missing Blank Line separator, <400> field identifier

Raw Sequence Listing before editing

(for reference only)

IFWP

RAW SEQUENCE LISTING DATE: 06/26/2006
PATENT APPLICATION: **US/10/583,061** TIME: 13:41:02

Input Set : **A:\seq list.txt**
Output Set: **N:\CRF4\06262006\J583061.raw**

4 <110> APPLICANT: Kerri MOWEN
5 Laurie H. GLIMCHER
7 <120> TITLE OF INVENTION: MODULATION OF IMMUNE SYSTEM FUNCTION BY
8 MODULATION OF POLYPEPTIDE ARGININE METHYLTRANSFERASES
11 <130> FILE REFERENCE: HUI-054US
C--> 13 **<140> CURRENT APPLICATION NUMBER: US/10/583,061**
C--> 13 **<141> CURRENT FILING DATE: 2006-06-15**
13 <150> PRIOR APPLICATION NUMBER: PCT/US2004/044095
14 <151> PRIOR FILING DATE: 2004-12-20
16 <150> PRIOR APPLICATION NUMBER: 60/531,482
17 <151> PRIOR FILING DATE: 2003-12-18
19 <160> NUMBER OF SEQ ID NOS: 24
21 <170> SOFTWARE: FastSEQ for Windows Version 4.0

Does Not Comply
Corrected Diskette Needed
(P5.1)

ERRORED SEQUENCES

855 <210> SEQ ID NO: 16
856 <211> LENGTH: 21
857 <212> TYPE: DNA
858 <213> ORGANISM: Artificial Sequence
W--> 859 **<220> FEATURE:**
860 <223> OTHER INFORMATION: RNA molecule with two deoxythymidines at 3' end
W--> 861 **<400> SEQUENCE: 16**
E--> 862 **cuucgaugag aucuccggat t**
863 21

21

VERIFICATION SUMMARY DATE: 06/26/2006
PATENT APPLICATION: **US/10/583,061** TIME: 13:41:03

Input Set : **A:\seq list.txt**
Output Set: **N:\CRF4\06262006\J583061.raw**

L:13 M:270 C: Current Application Number differs, Replaced Current Application No
L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:810 M:283 W: Missing Blank Line separator, <400> field identifier
L:818 M:283 W: Missing Blank Line separator, <220> field identifier
L:820 M:283 W: Missing Blank Line separator, <400> field identifier
L:828 M:283 W: Missing Blank Line separator, <220> field identifier
L:830 M:283 W: Missing Blank Line separator, <400> field identifier
L:838 M:283 W: Missing Blank Line separator, <220> field identifier
L:840 M:283 W: Missing Blank Line separator, <400> field identifier
L:848 M:283 W: Missing Blank Line separator, <220> field identifier
L:850 M:283 W: Missing Blank Line separator, <400> field identifier
L:859 M:283 W: Missing Blank Line separator, <220> field identifier
L:861 M:283 W: Missing Blank Line separator, <400> field identifier
L:862 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:21 SEQ:16
L:869 M:283 W: Missing Blank Line separator, <220> field identifier
L:871 M:283 W: Missing Blank Line separator, <400> field identifier
L:879 M:283 W: Missing Blank Line separator, <220> field identifier
L:881 M:283 W: Missing Blank Line separator, <400> field identifier
L:889 M:283 W: Missing Blank Line separator, <220> field identifier
L:891 M:283 W: Missing Blank Line separator, <400> field identifier
L:899 M:283 W: Missing Blank Line separator, <220> field identifier
L:901 M:283 W: Missing Blank Line separator, <400> field identifier
L:909 M:283 W: Missing Blank Line separator, <220> field identifier
L:911 M:283 W: Missing Blank Line separator, <400> field identifier
L:922 M:283 W: Missing Blank Line separator, <400> field identifier